

Title (en)

Charging circuit of a capacitor for phase-fired controller

Title (de)

Kondensatorladeschaltung fuer Phasenanschnittsteuerung

Title (fr)

Circuit de charge d'un condensateur pour variateur de puissance

Publication

EP 2704303 B1 20190724 (FR)

Application

EP 13182185 A 20130829

Priority

FR 1258072 A 20120829

Abstract (en)

[origin: EP2704303A1] The circuit (100) has an adjusting circuit (127) for adjusting speed of charging of the capacitor according to the value of alternating voltage (VAC). The adjusting circuit includes bipolar transistors (129, 131) receiving voltage at a base according to the value of the alternating voltage. Intensity of the adjustment current (Id) is fixed according to the value of the alternating voltage. The transistors are connected in parallel to the capacitor. Release circuits (119, 121) start closing of a switch (107, 109) when the terminal voltage of the capacitor exceeds a threshold.

IPC 8 full level

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CPC (source: EP)

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